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REGIOSELECTIVE C−H FUNCTIONALIZATION OF INDAZOLES AND IMIDAZOPYRIDINES

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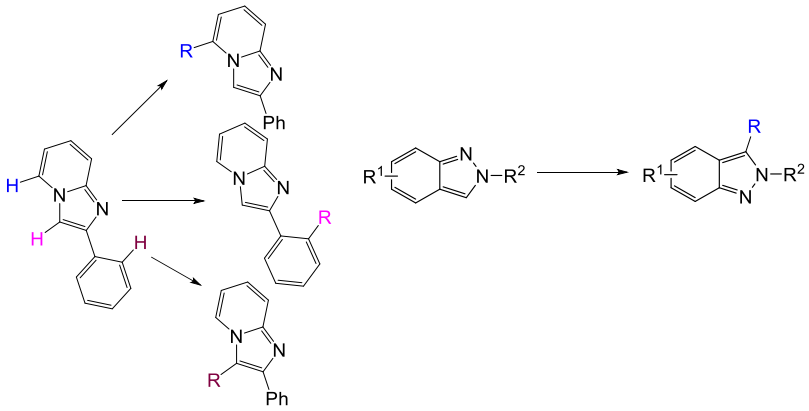
Abstract. Heterocyclic compounds have gained a great deal of attention as majority of the drugs contain heterocycles and these plays a vital role in the society. So the developments of new synthetic strategies for heterocycles are prime targets of the organic chemists over the years. Imidazopyridine is one of the important fused bicyclic 5–6 heterocycles and it is recognized as “drug prejudice” scaffold due to its wide applications in medicinal chemistry. This scaffold is the constituent of various marketed drug like zolpidem, alpidem, zolimidine, necopidem, saripidem etc. In this lecture I will discuss our recent works on sustainable synthesis of imidazo[1,2-*a*]pyridines,[1,2] and indazoles[3]



Scheme 1. Regioselective functionalization of imidazopyridine and indazole

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